

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/001,883
DATE: 12/13/2001
TIME: 08:51:17

Input Set : A:\dex-271.ST25.txt
Output Set: N:\CRF3\12132001\I001883.raw

0.5

3 <110> APPLICANT: Macina, Roberto
4 Recipon, Herve
5 Pluta, Jason
6 Ghosh, Malavika
7 Sun, Yongming
8 Liu, Chenghua
10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific Genes
and Proteins

12 <130> FILE REFERENCE: DEX-0271
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/001,883
C--> 14 <141> CURRENT FILING DATE: 2001-11-20
14 <150> PRIOR APPLICATION NUMBER: 60/252,059
15 <151> PRIOR FILING DATE: 2000-11-20
17 <160> NUMBER OF SEQ ID NOS: 137
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 453
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapien
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29 gtttaattag gaccaccttt ttgtttatcc atttatctcc tctttattcc aaattatgct 120
31 ataagtaatt gaataatgtaa ctactaatta ttggtaattt aaatagaaga ttatttgatt 180
33 aaatagtaaa ccatatggta tagagtctac attatggaat agaattgga tgatgaagat 240
35 cctttcccat accctttttt ctataatccg gagaatgaga tattcaatct ggtatttgag 300
37 attcttagtc ataattgtgg gtaaccttta gtcactaac tcttttatat gtcccttgga 360
39 tgttgaaagt acctcgggcg cgacacgct aagccgaatc tgcggaatca tcacacgggg 420
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45 <211> LENGTH: 228
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47 <213> ORGANISM: Homo sapien
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54 tctacctatc tctgcttaca ggattcatct agggggggcag atggacaaat aaagaagtaa 180
56 ttccagtatg atatgttaaa tgccatgata aagtaagtaa gtacctgc 228
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60 <211> LENGTH: 689
61 <212> TYPE: DNA
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67 gatacccaat tgtaccgtct cgaccactag aacgccccca gttgctgaat tgccttagcg 120
69 tgtcgccgcy aggtaccccc tcatatgtcc caacagctaa cctctctgtt tactggacat 180
71 tcccgctgtg atctaatacc aaacttttagc agtctaaactg ctaactcagc atgataatca 240
73 tgaccacatt cctggtgacg aacaacatgg tataatgttt gtcaccagtg atataataac 300
75 atacaacata tgcattaca ttccaacaag tgaatttaca cttttcatcc ccattccagt 360

ENTERED

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77 gcattgaagc aacgttaaaa acgcttggtg cttcaactgg acctctgggtg tttaacaacat 420
79 ttcagttgct aacatggttaa gccacacaca cacttgggag ccatgtgttc acctttcatc 480
81 acagcacacc ctgacacata acgcaaacat tacatttctg ttccatcttt tcattacaca 540
83 tcaggaccat actaaaccac aatcattcat catttacatc aacacatcac acgttacaaa 600
85 ggaaactcac tcagcaacat aaacaacggg atattcactt gaactctctt ctgggtgca 660
87 atgattttct attaattagt agtacctga 689
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96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (616)..(616)
98 <223> OTHER INFORMATION: a, c, g or t
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104 ttaaaatgcc acataaattt tagcatcagc ttgccaatat ctggaaagaa agcaagggtga 120
106 aatttggtta ggggttggtg caagtctgta tatccttttg ggggtgaatca ccatcttgaa 180
108 aatattaatt ctcccaataa algagtataa aatgtctttt cattgtttta ggtattttta 240
110 ttccgtgtaa cattattttg tggtttccag atgattgggt ttccagtttt ttgttataat 300
112 ttattcctaa gtattttatt tattttcggt gtattgtaaa tggaaatgct ttccottaatt 360
114 ccatttctgg attgttcatt gcaactgtat agacatacaa tagaatattt tgtattgaac 420
116 ttacatctcg caaccttgaa aaactcattt attatactca agaggctctt agtcgatttt 480
118 ttatgatatt ctgcataaca gatcatgtca ttataaatta gggaagataa aattttaatt 540
120 ttccctttc cattttacat gccctttatt tcatattttt acaaatttat ctattagag 600
122 atgctagtac ctcggnccgg accaagctaa agcgaatctg gagatatcaa tcaactgggg 660
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135 aagattgcaa ggtctccatc gaattccatc acaaagttaa aaagcaattt aaaattactc 120
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150 cgattttttc ttcagagccg gtaaaaggac caattcggtta attcccaatc ggtttaattc 180
152 aacggcatag aggataaca cattaaaaact tcctagagta ggattggtaa attttttaa 240
154 attagcacca atccattggt cctttccaat atataggga tctactttt caatttggac 300
156 caggttaaca ccaagtatgg tacttgggcc gggaacaagg ttaaggcgga attcggagag 360
158 atttccatta aaactggggg gccggttcaa gatggatttt aaaggggcc aatttcggcc 420
160 caattaggag gtgtattaac atttactggt gcggtgtgtt acaacggctc gggaatggga 480
162 aaacccgggt ggtaccacat ttaatggctt ggagaaatcc ttaagaaaaa 531

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165 <210> SEQ ID NO: 7
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173 gccctgagt ttatagctcc ctttaggcgc attggccctt ttatgccttc tcgcggcgcc      120
175 cccctgtggt gggatttccg gaatctgctt ttgtcgccc ccccggcacg gttccgtggc      180
177 ggagcggcgg gttttccctc gcgcggggcca caatggggct cgaggccctc gggccagata      240
179 tacccgcccc cctggacccc gcctgttttc cccctgctgg acgcttgtgc ttttgccccc      300
181 tggcacagtt tttccccccc cggtgttttc ttttcggggt caccctttgc ccaggacact      360
183 cgtgaaatct ttttaagagc tcctcatctc cttagatggc catcgactca ttcattggcc      420
185 tttggaatgc tctctatcct gctgctctgg ttaggcagc ctacagtgtg agcacccaag      480
187 gggtaacaac cagaatggct tcgctgaaat cctgcttcac gttgagtaac ttcccttttt      540
189 acttgttgtc cggaagctgt cccaccttgc gtgactcata actaacatgc atgactgtat      600
191 atgcactaac attacattat aaaaatgacc actaacgggc ccgggtaacg ggcacttatg      660
193 gataaacgta tctcacttta acacagaggt agtcaccgaa cttaactgag atctcgtaaa      720
195 cactgtttgg ccattgctat aggaataatg gtggcactta ctcagtcttc cgaggagtta      780
197 tcactgaatt acgggtatag gattgctcgc ctacatgag gtttataaag ctcacacttc      840
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203 <211> LENGTH: 327
204 <212> TYPE: DNA
205 <213> ORGANISM: Homo sapien
207 <400> SEQUENCE: 8
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210 ttggaggcct cagacaagtc ttttagctac cctgggcccgt taatttccat ttctgtaaaa      120
212 agtcaggagt gccctagatg atctccaatt tcctctccac tctgatgttc tcatcctatg      180
214 ctcccgtagt tcatttcttc aatgtcgtgt tgccctaaaa tcaggaaata tcaatggcca      240
216 agaagaccaa ggattttacc tgtatttatt ttattatttt cgacagctcg accatccatc      300
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222 <211> LENGTH: 495
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Input Set : A:\dex-271.ST25.txt
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246 <222> LOCATION: (337)..(337)
 247 <223> OTHER INFORMATION: a, c, g or t
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 265 tgggcccccctc tatgatgccca agctcgagcc ggcccccccg tgtgatagga tatctgccag 120
 267 aattccggctc tatgcggttg tcccgggcc gaggttagga aaccgtgttt ctatcccaa 180
 269 actggaccctc agagataaaa gggaaagaga tgtggctttt tgtgatattc tacaccccca 240
 271 ccacttatgt tattctctgt taaataccaa gtatgtatgt attgtaagt tttttgtcct 300
 273 aatgttgcata ctcccannt ggcaananga aacacanaca atataaacac acacaaaacg 360
 275 gaccacaac cgaaaaagga aaaaaagaaa aagcagcgcg tgtgttaac tgtcgcccc 420
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 283 <211> LENGTH: 734
 284 <212> TYPE: DNA
 285 <213> ORGANISM: Homo sapien
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 292 attactgagt gggagcagtg tcaaagttaa gttgtagaag gaggagagat acaacatggt 180
 294 actgcagtc tcactgcaat aagattgaat aagtaaaagg gacacagact aaaagtttct 240
 296 gtagaaatgg tctcatatga aaatcgtttt gataacaata ttggccacat tattctctct 300
 298 taaaattttc accttaatat agctaataaa ttatagtctc ctgaattgca aggggctgtg 360
 300 cgaaaatgta gaaaacgaga tgcgttgagg tagtgaagtg aaaggatgca ctgactactc 420
 302 agctgatgtg gaccttggac cgagtttgtg aagcatgttg atgaaccttg gatgatgcct 480
 304 catctgctaa attgggaact gaatttgatt ttactagaaa atgaaaatga tgtgtctgtg 540
 306 agagcataaa actgagcaaa tgcatttgaa aacattattt gaccttgcct ctttgggcac 600
 308 ggcatttcac tggctactac taccagccct tgaatttgc agtatgacaa attaatgtaac 660
 310 aaatacgaaa agagataatt tctaaaacta tgtttcactg agaaaactct agatactagg 720
 312 ctgtggggtg atgt
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 316 <211> LENGTH: 539
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 318 <213> ORGANISM: Homo sapien
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 325 gtgcaataaa atatgactca agtcaaacac attcctacttt caaaaagcct tcacccagaa 180
 327 aggggcacac ttctcatcat ctgattcaga gaaacagaca ttgttagata taatccagaa 240
 329 gtaattagtc ttcagcaaa atgaagacta ttgtctgtct ttattcaaat tccacagctc 300
 331 tgattactat cgttttataa gtctcaaaa taggtaatgt tagtccatcc attttattct 360

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333 ttttcaaagt ttgtcttatt ctacaacttc agcagttcca ttggaagttt agaatacagct 420
335 ttgtcaatttc ttaaaaaata attgctggga ttgtgttaga gattgcaactg aactgtgtaga 480
337 tcaatatgga gagaattgac atcttaacaa tattgagtct tgtgacccat gaccatggt 539
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350 aatatatttg ttaacttttt ccttttttgc aaaaattgc tgttgagaaa ttgattgagg 180
352 ttgtattgac tctgtaaata agcaaaagat actatggaca ttctaactat gttagtgttc 240
354 caagccatga acctggtata tctttctata tatttgggac tctgttaatt tcttttaaaa 300
356 atatttttga gatttcagca caccaagctc ttcacctctt tggttagatt tacatgtaag 360
358 tatttttttt cctctgtgct ctattacaat gaaatagttt tgttaatttc cttactgat 420
360 tgatgactat tcatgtacag aaatgcaact gatttctcoa tgttgatttt gcaactggca 480
362 atgtgtctgt attgtttatt tagttctaac aggttttggg gttgtcgttg ttgtgtgtgt 540
364 cattattggt ggggaggagt gtttctttct aatttctact ttataagatt gtgctatcta 600
366 ttgacagaga tttatttact tcttctcttc cagtttagat gtcttttatt tcttgtttct 660
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381 <223> OTHER INFORMATION: a, c, g or t
384 <220> FEATURE:
385 <221> NAME/KEY: misc_feature
386 <222> LOCATION: (574)..(574)
387 <223> OTHER INFORMATION: a, c, g or t
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391 <221> NAME/KEY: misc_feature
392 <222> LOCATION: (706)..(706)
393 <223> OTHER INFORMATION: a, c, g or t
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401 cttggaatcc gttttctaac ggtccccccc gcaagggtat tccgccgggg ggacaaaagt 180
403 ggtgttctct ttcccacaaa aaaaaaaaaa aaaggcactt ttgctgctta aattgggggt 240
405 ttaataaccc tttttacttt tattgtgggt gattgaaatt ttgggttttc atttaaccac 300
407 cctatacaac ggggaatttt aaattccctt cctacattat ttcatttggg gcctttccct 360
409 caacttatta attttaacta ggaattaatg gggactttac agagaaaagc caaatttatt 420
411 gtgattccca attattccoc aattaataag gcgtgctctt taaacatttt tactatttgg 480
413 acgtcaatttt aantcctctt cttttcttta aaacactctt ttaagcctct actacacatt 540
415 ttaccatta ggcttagcgc ccacgtggat taanagaatt tcataagctc ccttcgcgcg 600
417 gggggagaac caacagctat aaggccgaga atttcgtggc agagatttct ccatcacaac 660

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CRF3

→ Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
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L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
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L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65